

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; a moveable internal spring pin with an internal spring to eliminate ordinal locking of the trap; a release pin; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of one or more ball bearings or slugs located in the main structure and within an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed to the main structure and to the trap away from the release pin; the trigger being adapted to permit application of a low force to move the release pin; and the one or more ball bearings or slugs interact with the internal geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that ~~the~~ application of ~~a~~ the low force on the trigger causes the internal spring pin and the release pin to move a position of the container.

2. **(Previously Presented)** The low-force release mechanism of claim 1, wherein the release pin and at the least one or more ball bearings lock and hold the position of the trap.

3. **(Withdrawn)** The low force release mechanism of claim 1, further comprising at least one roller slug to lock and hold the position of the trap.

4. **(Canceled)**

5. **(Previously Presented)** The low-force release mechanism of claim 1, further comprising a hanger.

6. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; a moveable internal spring pin with an internal spring to eliminate ordinal locking of the trap; a release pin; a movable hanger through which force can be applied to move the position of the internal spring pin or receive force applied by the main structure as a

point of external attachment; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of one or more ball bearings or slugs located in the main structure and within an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed to the main structure and to the trap away from the release pin; the trigger being adapted to permit application of a low force to move the release pin; and the one or more ball bearings or slugs interact with the internal geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that ~~the~~ application of ~~a~~ the low force on the trigger causes the internal spring pin and the release pin to move a position of the container.

7. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; a moveable internal spring pin with an internal spring to eliminate ordinal locking of the trap; a release pin; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the release pin; the trigger being adapted to permit application of a low force to move the release pin; a lift spring that can move the internal spring pin; and the one or more ball bearings or slugs interact with the internal geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that ~~the~~ application of ~~a~~ the low force on the trigger causes the internal spring pin and the release pin to move a position of the container.

8. **(Previously Presented)** The low-force release mechanism of claim 1, wherein the container is selected from the group consisting of: a bag, a box, a collapsible box, and a net.

9. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; a moveable internal spring pin with an internal spring to eliminate ordinal locking of the trap; a release pin; at least one trigger; and attachments by which a container is

attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of one or more ball bearings or slugs located in the main structure and within an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed to the main structure and to the trap away from the release pin; the trigger being adapted to permit application of a low force to move the release pin; and the one or more ball bearings or slugs interact with the internal geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that a user pulling on ~~at~~ the string attached to the trigger causes the internal spring pin and the release pin to move a position of the container , such that the container collapses releasing its contents.

10. **(Canceled)**

11. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; a moveable internal spring pin with an internal spring to eliminate ordinal locking of the trap; a release pin; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of one or more ball bearings or slugs located in the main structure and within an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed to the main structure and to the trap away from the release pin; the trigger being adapted to permit application of a low force to move the release pin; and a trap spring and the one or more ball bearings or slugs interact with the geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that ~~the~~ application of a low force on the trigger causes the internal spring pin and the release pin to move a position of the container.

12. **(New)** The low-force release mechanism of claim 7, wherein the release pin and at the least one or more ball bearings lock and hold the position of the trap.

13. **(New)** The low-force release mechanism of claim 7, further comprising a hanger.

14. **(New)** A low-force release mechanism of claim 7, further comprising a movable hanger through which force can be applied to move the position of the internal spring pin or receive force applied by the main structure as a point of external attachment.

15. **(New)** The low-force release mechanism of claim 7, wherein the container is selected from the group consisting of: a bag, a box, a collapsible box, and a net.

16. **(New)** A low-force release mechanism of claim 7, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that a user pulling on a string attached to the trigger causes the internal spring pin and the release pin to move a position of the container, such that the container collapses releasing its contents.

17. **(New)** A low-force release mechanism of claim 7, such that a trap spring and the one or more ball bearings or slugs interact with the geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that application of a low force on the trigger causes the internal spring pin and the release pin to move a position of the container.

AMENDMENTS TO THE DRAWINGS

The attached sheets of drawings include changes to Figures 1A, 1B, 3, 5, 8, 10, 11 and 14. Attached hereto are 7 replacement sheets. The changes are as follows:

In Figures 1A and 1B, the reference character “10” has been deleted from the figures.

In Figures 5, the internal spring pin with an extension reference character “2” has been changed to reference character “16”.

In Figures 1A, 1B, 3, 5, 8, 10, 11 and 14, the black shading in component 10 have been hatched.

Attachments: Replacement Sheets (7)

Annotated Sheet Showing Change (1)